

10 positionable in contact with the stator and adapted to attach to the mounting bracket, wherein the main housing includes a plurality of vents;

positioning the mounting bracket and the motor assembly within the main housing;

15 securing the end plate of the main housing to the mounting bracket such that the motor assembly is supported within the main housing free from contact with the outer wall of the main housing;

providing at least one impeller rotatable with the rotor;

providing an end cap attachable to the main housing for encompassing the impeller; and

20 operating the motor such that rotation of the rotor causes the impeller to rotate to draw a flow of cooling air through the vents in the main housing, wherein the close spacing between the outer wall of the main housing and the motor assembly directs a curtain of air over the motor assembly to cool the motor assembly.

29. (Amended) The method of claim 26 wherein the end cap includes a plurality of vent slots such that rotation of the impeller circulates air through the vent slots formed in the end cap to cool the motor assembly.

32. (Twice Amended) A C-frame motor comprising:

a stator having a plurality of electrically conductive laminations, wherein the laminations have portions which define rotor apertures and portions which define radially extended projections;

5 a rotor having a plurality of laminations and sized to be rotatably received within the rotor apertures of the stator laminations, the rotor being rotatably mounted to a rotor shaft;

at least one bobbin having a plurality of coils comprising at least one wound electrical conductor wherein the bobbin is attached to the radially extended 10 projections of the stator;

a mounting bracket including a pair of mounting posts positionable in contact with the stator, wherein the mounting bracket rotatably supports the rotor shaft;

15 a main housing having an outer wall configured to closely conform to and encompass the stator, the rotor and the bobbin, the main housing including an end plate having a pair of columns projecting axially from the end plate, the columns being in contact with the stator and attachable to the mounting bracket to support the stator, the rotor and the bobbin within the main housing free from contact with the outer wall, the main housing having a plurality of vent slots;

20 an impeller mounted to the rotor shaft for rotation with the rotor, wherein rotation of the impeller draws a flow of cooling air in through the vent slots in the main housing, wherein the close spacing between the main housing and the motor creates a curtain of cooling air that flows axially over the stator, the rotor and the bobbin to cool the motor; and

25 an end cap attachable to the main housing and configured to encompass the impeller.

REMARKS

In the Office Action of July 23, 2001, claims 26-32 and 34-39 were rejected under 35 USC §103(a) as being unpatentable over the Larsh U.S. Patent No. 1,939,399 in view of the Bright U.S. Patent No. 3,969,043 in further view of the Zimmermann et al. U.S. Patent No. 2,981,196.

By the present amendment, the claims have been amended to particularly point out and distinctly claim applicants' invention and to define subject matter clearly patentable over the applied references. Reconsideration of the substantive rejection of the claims in view of the foregoing claim amendments and the following arguments for allowance is respectfully requested.